



6A7S

6A7S
6A8-GT
6A8-G
6A8

PENTAGRID CONVERTER

RENEWAL TYPE FOR MAJESTIC RECEIVERS

Heater ■	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
Overall Length	4-9/32" to 4-17/32"	
Seated Height	3-21/32" to 3-29/32"	
Maximum Diameter (without shield)	1-9/16"	
Bulb (with form-fitting shield)	ST-12	
Cap	Small Metal	
Base ▲ *	Small 7-Pin	

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

▲ Requires a different socket than the medium 7-pin base.

* Basing arrangement is the same as for the 6A7, except that the external shield on the 6A7S is connected to cathode.

Typical Operating Conditions and Curves for the 6A7S are the same as for Type 6A8.

6A8, 6A8-G, 6A8-GT



PENTAGRID CONVERTER

Heater ■	Coated Unipotential Cathode		
Voltage	6.3	a-c or d-c volts	
Current	0.3	amp.	
Direct Interelectrode Cap. ^o	6A8	6A8-G	6A8-GT
Grid #4 to Plate	0.06	0.26	0.26 $\mu\mu\text{f}$
Grid #4 to Grid #2	0.1	0.19	0.19 $\mu\mu\text{f}$
Grid #4 to Grid #1	0.09	0.16	0.16 $\mu\mu\text{f}$
Grid #1 to Grid #2	0.8	1.1	1.1 $\mu\mu\text{f}$
Grid #4 to All Other Electrodes (R-F Input)	12	9.5	9.5 $\mu\mu\text{f}$
Grid #2 to All Other Electrodes Except Grid #1 (Osc. Output)	5	4.6	4.6 $\mu\mu\text{f}$
Grid #1 to All Other Electrodes Except Grid #2 (Osc. Input)	6.5	6	6 $\mu\mu\text{f}$
Plate to All Other Electrodes (Mixer Output)	12	12	12 $\mu\mu\text{f}$
Overall Length	{ 3-1/8" max.	{ 4-7/32" to 4-15/32"	{ 3-5/16" max.
Seated Height	{ 2-9/16" max.	{ 3-21/32" to 3-29/32"	{ 2-3/4" max.
Maximum Diameter	1-5/16"	1-9/16"	1-5/16"
Bulb	Metal Shell, MT-8	ST-12	T-9
Cap	Miniature	Skirted Min.	{ Skirted Min. Style C

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

^o With shell of 6A8 connected to cathode, and with close-fitting shield on 6A8-G and 6A8-GT connected to cathode.

← Indicates a change.

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RCA RADOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

DATA